

APPARATUS AND METHOD FOR STERILIZING CONTAINER

[71] Applicant: TOPPAN PRINTING CO LTD

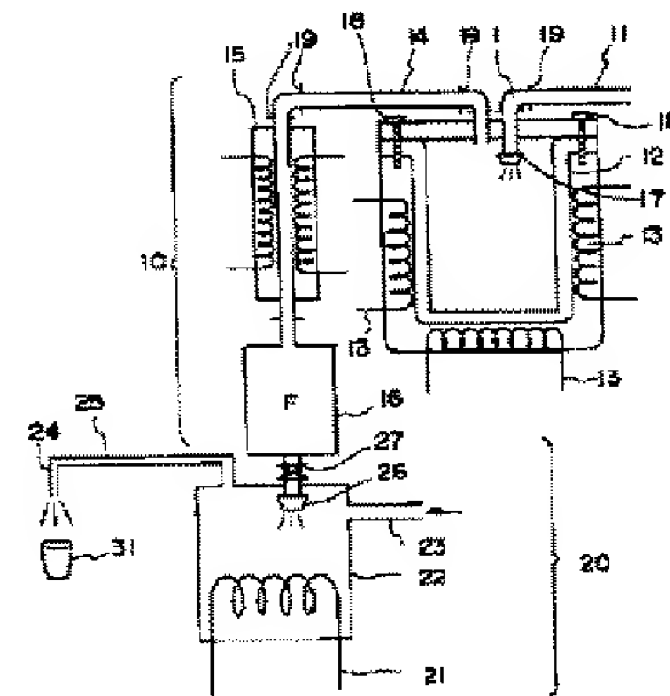
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[57] Abstract:

PROBLEM TO BE SOLVED: To deposit stabilizer contained in liquid germicide and allow the stabilizer to be easily discharged for reducing working frequency of disassembling and cleaning an apparatus by constituting a heater for vaporizing the germicide of first and second heaters.

SOLUTION: Liquid germicide supplied from a germicide supply path 11 and sprayed from a nozzle 17 attached to a tip of the path into a tank 12 is heated to a boiling point or higher of the germicide by a first heater 13 provided around the tank 12. Thus the germicide is vaporized, and stabilizer is deposited and removed and then cooled in a cooler 15 when passing through a path 14 to return to liquid. The liquefied germicide is filtered by a filter 16 so that a small amount of stabilizer which has not been removed in the tank 12 is removed. The germicide with the stabilizer removed is dripped from a nozzle 26 into a second tank 22 of a temperature control part 20, heated by a second heater 21 to be vaporized, and ejected from a nozzle 24 toward an object 31 to be sterilized.

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